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JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

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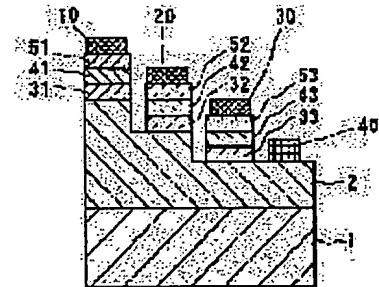
NAKAMURA SHUJI

## (54) NITRIDE SEMICONDUCTOR MULTI-COLOR LIGHT EMITTING DEVICE AND ITS PRODUCTION

(57)Abstract:

**PROBLEM TO BE SOLVED:** To realize a highly fine display by providing a device capable of multi-color light emission by means of one chip and its production method by using a nitride semiconductor.

**SOLUTION:** After a nitride semiconductor layer having a first active layer 31 is formed on a substrate 1, another nitride semiconductor layer provided with a second active layer 32 whose band gap energy is different from that of the layer 31 is partly grown apart from the layer 31. Thus, since unit light emitting elements including active layers formed of nitride semiconductors of which band gap energies are different from each other are separately formed on the same substrate, multi-color light emission can be realized by only one chip.



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